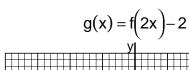
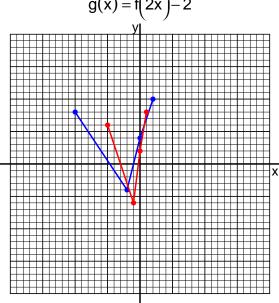
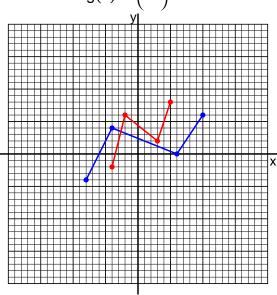
1. Each of the curves below represent a different y = f(x). For each, draw a second curve, y = g(x), defined by the equation above the graph.

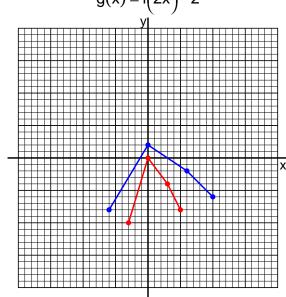




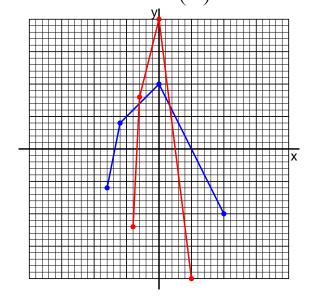
$$g(x) = f(2x) + 2$$



$$g(x) = f(2x) - 2$$



$$g(x) = 2 \cdot f(2x)$$



2. On each graph below, curve y = f(x) is shown as a dashed line with open dots at key points, and curve y = g(x) is shown as a solid line with closed dots at key points. For each, write an equation that defines g(x) as a transformation of f(x).

